

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 6, 2005, 09:08:23 ; Search time 0.872173 Seconds
(without alignments)
2.069 Million cell updates/sec

Title: US-10-071-174A-1-COPY
Perfect score: 887
Sequence: 1 cgggccaagaacacacgca.....ctcttccttgatgaagaa 887

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 0.5

Searched: 2 seqs, 1017 residues

Total number of hits satisfying chosen parameters: 4

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : angell.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	887	100.0	887	1	US-10-071-174A-1-COPY
2	115.3	13.0	130	1	US-10-071-174A-37-COPY
3	30.5999	3.4	887	1	US-10-071-174A-1-COPY
4	22.4	2.5	130	1	US-10-071-174A-37-COPY

ALIGNMENTS

RESULT 1
US-10-071-174A-1-COPY
Sequence 1, Application US/10071174A
GENERAL INFORMATION:
APPLICANT: The Burnham Institute
APPLICANT: Ke, Ning C.
APPLICANT: Adam, Godzik
TITLE OF INVENTION: APOPTOSIS MODULATOR BCL-B AND METHODS FOR MAKING AND USING THE
FILE REFERENCE: 8014-014-US
CURRENT APPLICATION NUMBER: US/10/071,174A
CURRENT FILING DATE: 2002-02-07
PRIOR APPLICATION NUMBER: 60/267,166
NUMBER OF SEQ ID NOS: 37
SOFTWARE: PatentIn version 3.3
SEQ ID NO 1
LENGTH: 887
TYPE: DNA
ORGANISM: Homo sapiens
US-10-071-174A-1-COPY

Query Match 100.0%; Score 887; DB 1; Length 887;

Best Local Similarity 100.0%; Pred. No. 0;
Matches 887; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	CGGGCCAAGAAAACAGGAGAGCCCGGCCCCCGGAGAGAGCCGAGACATGATTGACCA	60
DB	1	CGGGCCAAGAAAACAGGAGAGCCCGGCCCCCGGAGAGAGCCGAGACATGATTGACCA	60
QY	61	GTTGCGGAGGCGACACCATGAGCCGCTGCGGAGCGACCGAGCTGTTCTGAC	120
DB	61	GTTGCGGAGGCGACACCATGAGCCGCTGCGGAGCGACCGAGCTGTTCTGAC	120
QY	121	CGACTACCTGAGGATCTGCGCCCGGAAACCCGACCCCGGAGCGGCGCATTCAGCC	180
DB	121	CGACTACCTGAGGATCTGCGCCCGGAAACCCGACCCCGGAGCGGCGCATTCAGCC	180
QY	181	CGAGCCCGCGTGTCTGCTGCTGCGCGCGGCGGAGGTTAGCGAGATTCAACGGTCTTTT	240
DB	181	CGAGCCCGCGTGTCTGCTGCTGCGCGCGGCGGAGGTTAGCGAGATTCAACGGTCTTTT	240
QY	241	CTCGGCTACCTGAGCTACCCCGGGAACCGCTTGAGCTGAGCTGAGTGCAGATTTC	300
DB	241	CTCGGCTACCTGAGCTACCCCGGGAACCGCTTGAGCTGAGCTGAGTGCAGATTTC	300
QY	301	CTGTCTCTCCGACAGCCCGGCGCCCACTTGAGGAGAGTGTGACGCTTGACCTTGCC	360
DB	301	CTGTCTCTCCGACAGCCCGGCGCCCACTTGAGGAGAGTGTGACGCTTGACCTTGCC	360
QY	361	AGGAGCGTGTGAGAGAGAGGCGCTGTGTGACCCCGGTGTGAGAGAGTGGGCTTCA	420
DB	361	AGGAGCGTGTGAGAGAGAGGCGCTGTGTGACCCCGGTGTGAGAGAGTGGGCTTCA	420
QY	421	GCCGCGGCTAAAGAGAGAGAGGAGAGTGCAGCCCGGAGCTGCGTGTGAGCTT	480
DB	421	GCCGCGGCTAAAGAGAGAGAGGAGAGTGCAGCCCGGAGCTGCGTGTGAGCTT	480
QY	481	GCTGAGCTGCGGCTCATGAGGAGAGAGCGGCTGAGTGCAGGCTGAGGCGGCTGAG	540
DB	481	GCTGAGCTGCGGCTCATGAGGAGAGAGCGGCTGAGTGCAGGCTGAGGCGGCTGAG	540
QY	541	TGCTTTTGTCACTTCTTCAAGACCCCTTTCATGCTTTTGGAGAAAACAGCTGT	600
DB	541	TGCTTTTGTCACTTCTTCAAGACCCCTTTCATGCTTTTGGAGAAAACAGCTGT	600
QY	601	CGAGCTTTTGT	660
DB	601	CGAGCTTTTGT	660
QY	661	ATGAGTTTAAACCTTTTAAACCCGCTTCTACCTGCGCACTGTGCACTTAATGACG	720
DB	661	ATGAGTTTAAACCTTTTAAACCCGCTTCTACCTGCGCACTGTGCACTTAATGACG	720
QY	721	ATGTGTGAGAACAGAACTGAGGAGAAAGACCTTCCCGACCGGAGCTTTTATCTGA	780
DB	721	ATGTGTGAGAACAGAACTGAGGAGAAAGACCTTCCCGACCGGAGCTTTTATCTGA	780
QY	781	ATGATACAGAGAGCTGAGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	840
DB	781	ATGATACAGAGAGCTGAGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	840
QY	841	CAGGTGTGAGGACAGAAATGCAATGCGCTTCTTCTTGAAGTAAAGAA	887
DB	841	CAGGTGTGAGGACAGAAATGCAATGCGCTTCTTCTTGAAGTAAAGAA	887

RESULT 2
US-10-071-174A-37-COPY
Sequence 37, Application US/10071174A
GENERAL INFORMATION:
APPLICANT: The Burnham Institute
APPLICANT: Ke, Ning C.
APPLICANT: Adam, Godzik
TITLE OF INVENTION: APOPTOSIS MODULATOR BCL-B AND METHODS FOR MAKING AND USING THE

```

; TITLE OF INVENTION: SAME
; FILE REFERENCE: 8014-014-US
; CURRENT APPLICATION NUMBER: US/10/071,174A
; CURRENT FILING DATE: 2002-02-07
; PRIOR APPLICATION NUMBER: 60/267,166
; PRIOR FILING DATE: 2001-02-07
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 37
; LENGTH: 130
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (94)..(94)
; OTHER INFORMATION: n is a, c, g, or t
US-10-071-174A-37-COPY
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Query Match      13.0%; Score 115.3; DB 1; Length 130;
Best Local Similarity 96.9%; Pred. No. 0;
Matches 127; Conservative 0; Mismatches 3; Indels 1; Gaps 1;
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QY 242 TCCGCTACCTGGGCAACCCGCGGAAACGGCTTCGAGCTGGCGCTGATGGCGATTCC 301
DB 1 TCCGCTACCTGGGCAACCCGCGGAAACGGCTTCGAGCTGGCGCTGATGGCGATTCC 60
QY 302 GTGCTCTCCGACAGCCCGCGCCCACTGGGCGAGAGTGATGACGCTGACCTTCGCA 361
DB 61 GTGCTCTCCGACAGCCCGCGCCCACTGGGCGAGAGTGATGACGCTGACCTTCGCA 119
QY 362 GGGACGCTGCT 372
DB 120 GGGACGCTGCT 130
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RESULT 3
US-10-071-174A-1-COPY/c
; Sequence 1, Application US/10071174A
; GENERAL INFORMATION:
; APPLICANT: The Burnham Institute
; APPLICANT: Reed, John C.
; APPLICANT: Ke, Ning
; APPLICANT: Adam, Godzik
; TITLE OF INVENTION: APOPTOSIS MODULATOR BCL-B AND METHODS FOR MAKING AND USING THE
; FILE REFERENCE: 8014-014-US
; CURRENT APPLICATION NUMBER: US/10/071,174A
; PRIOR FILING DATE: 2002-02-07
; PRIOR APPLICATION NUMBER: 60/267,166
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 887
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-071-174A-1-COPY
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Query Match      3.4%; Score 30.5999; DB 1; Length 887;
Best Local Similarity 45.3%; Pred. No. 0;
Matches 182; Conservative 0; Mismatches 214; Indels 6; Gaps 2;
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QY 141 CCCGGAAACCCGCAACCCCGAGCCCGCATTCACGCCGAGCGCGCTGCTGCT 200
DB 539 CCCAGCCGCTCTGAGCTGAGCTGAGCCAGCCGCGGTGCTGCCCATGAGCCGAGCT---CA 483
QY 201 CCGCGCGCCGAGTTACGCGAGATTACCGGTCCTTTTTCGCGCTACCTCGGCTACC 260
DB 482 GCAAGGCCACAGCGCGCTGAGATCCGAGGACGTCGCGCTCTCTCTTTAGCGCGG 423
QY 261 CCGGAGACGCTTCGAGCTGAGCTGAGCTGATGCGGATTCGCGCTCTCCAGACGCCG 320
DB 422 GCTGAGAGCCCACTTCTTCACCGGCGGATCACAGCGGCGCTCTCTCCAGACGCTCC 363
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QY 321 GCCCACTGGGCGAGAGTGATGACGCTGTAACCTTCGACAGGACGCTGCTGAGAGAG 380
DB 362 CTGCGAAGGTACAGAGCGTCACCACTTCGCCCCAGAGTGGGCGCGGGGCTGTGAGAGCA 303
QY 381 GGCCTGCTGATACCGCCCGGTGGAAGAGTGGGGCTTCCAGCCCGGCTAAAGAGACAG 440
DB 302 CGGAATCCGCTATCAGCCGACCACTGCAACCGGTTCCCGGGGTAGCCGAGGTAGCGG 243
QY 441 AGGCGAGCTGCGCCGCGGAGCTGCAAGCGCTGCTGAGCC---TTGCTGAGCTCGCGGCTCA 497
DB 242 AAAAAAAGAGACCGGTGATCTGCTTAACCTTGGCGGCGCGAGCGCAGCAGCGGCGCT 183
QY 498 TGGGCGACGACCGCGCTGCTGCTGCAAGCTCAGAGCGGCGCTGAG 539
DB 182 CGGCGGTGATGAGCGCGCGCTGCGGGGTGCGCGGTTCCCGGG 141
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```

RESULT 4
US-10-071-174A-37-COPY/c
; Sequence 37, Application US/10071174A
; GENERAL INFORMATION:
; APPLICANT: The Burnham Institute
; APPLICANT: Reed, John C.
; APPLICANT: Ke, Ning
; APPLICANT: Adam, Godzik
; TITLE OF INVENTION: APOPTOSIS MODULATOR BCL-B AND METHODS FOR MAKING AND USING THE
; FILE REFERENCE: 8014-014-US
; CURRENT APPLICATION NUMBER: US/10/071,174A
; PRIOR FILING DATE: 2002-02-07
; PRIOR APPLICATION NUMBER: 60/267,166
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 37
; LENGTH: 130
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (94)..(94)
; OTHER INFORMATION: n is a, c, g, or t
US-10-071-174A-37-COPY
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Query Match      2.5%; Score 22.4; DB 1; Length 130;
Best Local Similarity 58.5%; Pred. No. 0;
Matches 38; Conservative 0; Mismatches 27; Indels 0; Gaps 0;
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QY 267 ACCGCTTGAAGCTGAGTGCGCTGATGAGCGGATTCGCTCTCCAGACGCCCGGCCCA 326
DB 97 ACTNCTCCAGAGTGAGGCGCGGGCTGTGAGAGACAGCGGAATCCGCATCAGCGCACCA 38
QY 327 CCTGG 331
DB 37 GCTCG 33
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Search completed: June 6, 2005, 09:08:24
Job time : 0.872173 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 6, 2005, 09:08:23 ; Search time 0.127827 Seconds
(without alignments)
2.069 Million cell updates/sec

Title: US-10-071-174A-37-COPY
Perfect score: 130

Sequence: 1 tccgcctaccctcgagctaccc.....acctcgaggagcgtcgtc 130

Scoring table: IDENTITY NUC
Gapop 10:0, Gapext 0.5

Searched: 2 seqs, 1017 residues

Total number of hits satisfying chosen parameters: 4

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database: angell.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	length	DB ID	Description
1	129	99.2	130	1	US-10-071-174A-37-COPY
2	115.3	88.7	887	1	US-10-071-174A-1-COPY
3	25.2	19.4	130	1	US-10-071-174A-37-COPY
4	22.4	17.2	887	1	US-10-071-174A-1-COPY

ALIGNMENTS

RESULT 1

US-10-071-174A-37-COPY

Sequence 37, Application US/10071174A

GENERAL INFORMATION:

APPLICANT: The Burnham Institute

APPLICANT: Reed, John C.

APPLICANT: Ke, Ning

APPLICANT: Adam, Godzik

TITLE OF INVENTION: APOPTOSIS MODULATOR BCL-B AND METHODS FOR MAKING AND USING THE

TITLE OF INVENTION: SAME

FILE REFERENCE: 8014-014-US

CURRENT APPLICATION NUMBER: US/10/071,174A

CURRENT FILING DATE: 2002-02-07

PRIOR APPLICATION NUMBER: 60/267,166

PRIOR FILING DATE: 2001-02-07

NUMBER OF SEQ ID NOS: 37

SOFTWARE: PatentIn version 3.3

SEQ ID NO 37

LENGTH: 130

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc.feature

LOCATION: (94)..(94)

OTHER INFORMATION: n is a, c, g, or t

US-10-071-174A-37-COPY

Query Match 99.2%; Score 129; DB 1; Length 130;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 130; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCCGCTACCTCGGCTACCGCGGAAACGCTTCGAGCTGGGCGCGGATGCC 60

DB 1 TCCGCTACCTCGGCTACCGCGGAAACGCTTCGAGCTGGGCGCGGATGCC 60

QY 61 GTGCTCTCCGACAGCCCGGCCACCTGGAGAGAGTGAGCGCTGAGACCTTCGAG 120

DB 61 GTGCTCTCCGACAGCCCGGCCACCTGGAGAGAGTGAGCGCTGAGACCTTCGAG 120

QY 121 GGAGCGTGCT 130

DB 121 GGAGCGTGCT 130

RESULT 2

US-10-071-174A-1-COPY

Sequence 1, Application US/10071174A

GENERAL INFORMATION:

APPLICANT: The Burnham Institute

APPLICANT: Reed, John C.

APPLICANT: Ke, Ning

APPLICANT: Adam, Godzik

TITLE OF INVENTION: APOPTOSIS MODULATOR BCL-B AND METHODS FOR MAKING AND USING THE

TITLE OF INVENTION: SAME

FILE REFERENCE: 8014-014-US

CURRENT APPLICATION NUMBER: US/10/071,174A

CURRENT FILING DATE: 2002-02-07

PRIOR APPLICATION NUMBER: 60/267,166

PRIOR FILING DATE: 2001-02-07

NUMBER OF SEQ ID NOS: 37

SOFTWARE: PatentIn version 3.3

SEQ ID NO 1

LENGTH: 887

TYPE: DNA

ORGANISM: Homo sapiens

US-10-071-174A-1-COPY

Query Match 88.7%; Score 115.3; DB 1; Length 887;

Best Local Similarity 96.9%; Pred. No. 0;

Matches 127; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 TCCGCTACCTCGGCTACCGCGGAAACGCTTCGAGCTGGGCGCGGATGCC 60

DB 242 TCCGCTACCTCGGCTACCGCGGAAACGCTTCGAGCTGGGCGCGGATGCC 301

QY 61 GTGCTCTCCGACAGCCCGGCCACCTGGAGAGAGTGAGCGCTGAGACCTTCGCA 119

DB 302 GTGCTCTCCGACAGCCCGGCCACCTGGAGAGAGTGAGCGCTGAGACCTTCGCA 361

QY 120 GGAGCGTGCT 130

DB 362 GGAGCGTGCT 372

RESULT 3

US-10-071-174A-37-COPY/c

Sequence 37, Application US/10071174A

GENERAL INFORMATION:

APPLICANT: The Burnham Institute

APPLICANT: Reed, John C.

APPLICANT: Ke, Ning

APPLICANT: Adam, Godzik

TITLE OF INVENTION: APOPTOSIS MODULATOR BCL-B AND METHODS FOR MAKING AND USING THE

TITLE OF INVENTION: SAME

FILE REFERENCE: 8014-014-US

CURRENT APPLICATION NUMBER: US/10/071,174A

CURRENT FILING DATE: 2002-02-07

PRIOR APPLICATION NUMBER: 60/267,166

PRIOR FILING DATE: 2001-02-07

NUMBER OF SEQ ID NOS: 37

SOFTWARE: PatentIn version 3.3

SEQ ID NO 37

LENGTH: 130

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc.feature

LOCATION: (94)..(94)

OTHER INFORMATION: n is a, c, g, or t

US-10-071-174A-37-COPY

Query Match 19.4%; Score 25.2; DB 1; Length 130;
 Best Local Similarity 58.3%; Pred. No. 0;
 Matches 42; Conservative 0; Mismatches 30; Indels 0; Gaps 0;

OY 26 ACCGCTTCGAGCTGGTGGGCTGATGGCGGATTCGCTCCGACAGACCCCGGCCCA 85
 DB 97 ACTNCTCCCGAGGTGGGCGGCGCTGTGCGAGAGCACGGAAATCCGCATCAGCGCACCA 38
 OY 86 CCTGGAGAGNAGT 97
 DB 37 GCTCGAAGCGGT 26

RESULT 4
 US-10-071-174A-1-COPY/c

; Sequence 1, Application US/10071174A
 ; GENERAL INFORMATION:
 ; APPLICANT: The Burnham Institute
 ; APPLICANT: Reed, John C.
 ; APPLICANT: Ke, Ning
 ; APPLICANT: Adam, Godzik
 ; TITLE OF INVENTION: APOPTOSIS MODULATOR BCL-B AND METHODS FOR MAKING AND USING THE
 ; FILE REFERENCE: 8014-014-US
 ; CURRENT APPLICATION NUMBER: US/10/071,174A
 ; PRIOR FILING DATE: 2002-02-07
 ; PRIOR APPLICATION NUMBER: 60/267,166
 ; NUMBER OF SEQ ID NOS: 37
 ; SOFTWARE: Patentin version 3.3
 ; SEQ ID NO 1
 ; LENGTH: 887
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-071-174A-1-COPY

Query Match 17.2%; Score 22.4; DB 1; Length 887;
 Best Local Similarity 58.5%; Pred. No. 0;
 Matches 38; Conservative 0; Mismatches 27; Indels 0; Gaps 0;

OY 33 CGAGCTGCTGGGCGCTGATGGCGGATTCGCTCTCCGACAGCCCCGCCCACTGGGA 92
 DB 331 CCAGGTGGGGCCGGGCTGTGCGAGAGCACGGAAATCCGCCATCAGCGCACCACTCGAA 272
 OY 93 GNAGT 97
 DB 271 GCGGT 267

Search completed: June 6, 2005, 09:08:24
 Job time : 0.127827 secs